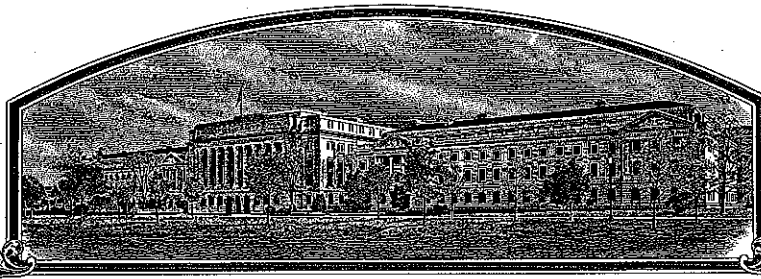


No.

200500329



THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME;

Stoneville Pedigreed Seed Company

Whereas, THERE HAS BEEN PRESENTED TO THE

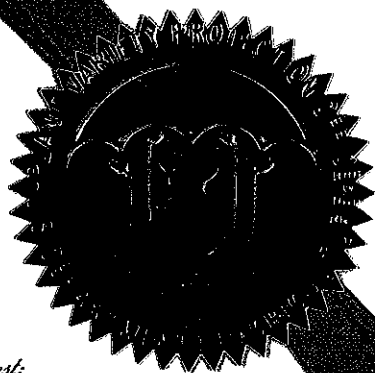
Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR IMPORTING IT, OR EXPORTING IT, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE FOREGOING PURPOSES, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

COTTON

'ST 3664R'



In Testimony Whereof, I have hereunto set my hand and caused the seal of the Plant Variety Protection Office to be affixed at the City of Washington, D.C. this ninth day of April, in the year two thousand and seven.

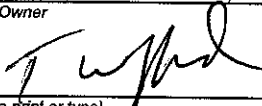
Attest:

Alm J.

Commissioner
Plant Variety Protection Office
Agricultural Marketing Service

W. H. Johnson

Secretary of Agriculture

REPRODUCE LOCALLY. Include form number & date on all reproductions.		Form Approved - OMB No. 0581-0055	
U.S. Department of Agriculture Agricultural Marketing Service Science & Technology Plant Variety Protection Office		The following statements are made in accordance with the Privacy Act of 1974 (5 U.S.C.552a) and the Paperwork Reduction Act (PRA) of 1995. Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2426).	
APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE <small>(Instructions & information collection burden statement on reverse)</small>			
1. Name of Owner Monsanto Technology LLC Stoneville Pedigreed Seed Company		2. Temporary Designation or Experimental Name OTRR007 & STX3664R	3. Variety Name ST 3664R
4. Address (Street & No., or R.F.D. No., City, State & ZIP Code, and County) 800 North Lindbergh Blvd. Law Department - E2NA 800 N. Lindbergh Blvd. St. Louis, MO 63167 USA grace.l.bonner@monsanto.com		5. Telephone (Include area code) 314-694-3165 8. FAX (include area code) 314-694-1000 314-694-9009	FOR OFFICIAL USE ONLY PVPO Number <div style="font-size: 2em; font-weight: bold;">200500329</div> Filing Date <div style="font-size: 1.5em;">AUGUST 22, 2005</div>
7. If the Owner Named is Not a 'Person', Give Form of Organization (corporation, partnership, association, etc.) Limited Liability Company		9. Date of Incorporation 	
10. Name & Address of Owner Representative(s), to serve in this application <small>(First person listed will receive all papers)</small> Tom Wofford 800 North Lindbergh Blvd. E2616S St. Louis, MO 63167		12. Fax (Include area code) 512-536-4598	
11. Telephone (Include area code) 314-694-6525 512-474-5201		13. E-Mail rhanson@fulbright.com anto.com	
14. Crop Kind (common name) cotton		Filing & Examination Fees \$ 3,652.00 Date: 8/22/05 Certification Fee: \$ 768.00 Date: 4/2/07	
15. Genus & Species Name of Crop Gossypium hirsutum		16. Family Name (botanical) Malvaceae	
17. Is the Variety a First Generation Hybrid? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
18. Check appropriate box for each attachment submitted (follow instructions on reverse)			
a. <input checked="" type="checkbox"/> Exhibit A: Origin and Breeding History of the Variety b. <input checked="" type="checkbox"/> Exhibit B: Statement of Distinctness c. <input checked="" type="checkbox"/> Exhibit C: Objective Description of Variety d. <input checked="" type="checkbox"/> Exhibit D: Additional Description of the Variety (Optional) e. <input checked="" type="checkbox"/> Exhibit E: Statement of the Basis of the Owner's Ownership f. <input checked="" type="checkbox"/> Exhibit F: Voucher Sample (2,500 viable untreated seeds or, for tuber propagated varieties, verification that tissue culture will be deposited and maintained in an approved public repository) g. <input checked="" type="checkbox"/> Filing and Examination Fees (\$2,450), made payable to "Treasurer of the United States" (Mail to the Plant Variety Protection Office)			
19. Does the owner specify that seed of this variety be sold as a class of certified seed? (See Section 83(a) of the Plant Variety Protection Act) <input type="checkbox"/> Yes (If 'yes', answer items 20 & 21 below) <input checked="" type="checkbox"/> No (If 'no', go to item 22)		20. Does the owner specify that seed of this variety be limited as to number of generations? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
21. If "Yes" to Item 20, which classes of production beyond breeder seed? <input type="checkbox"/> Foundation <input type="checkbox"/> Registered <input type="checkbox"/> Certified		22. Has the variety (including any harvested material) or a hybrid produced from this variety been sold, disposed of, transferred, or used in the U.S. or other countries? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <small>If yes, you must provide the date of first sale, disposition, transfer, or use for each country and the country and the circumstances. (Please use space indicated on reverse.)</small>	
23. Is the variety or any component of the variety protected by intellectual property right (Plant breeder's right or patent)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <small>If yes, please give country, date of filing or issuance, and assigned reference number. (Please use space indicated on reverse.)</small>		24. The owners declare that a viable sample of basic seed of the variety will be furnished with application and will be replenished upon request in accordance with such regulations as may be applicable, or for a tuber propagated variety a tissue culture will be deposited in a public repository and maintained for the duration of the certificate. The undersigned owner(s) is(are) the owner of this sexually reproduced or tuber propagated plant variety, and believe(s) that the variety is new, distinct, uniform, and stable as required in Section 42 and is entitled to protection under the provisions of Section 42 of the Plant Variety Protection Act. Owner(s) is(are) informed that false representation herein can jeopardize protection and result in penalties.	
Signature of Owner 		Signature of Owner 	
Name (Please print or type) Tom Wofford		Name (Please print or type) 	
Capacity or Title Global Cotton Lead	Date <div style="font-size: 1.5em;">8-3-05</div>	Capacity or Title 	Date

General: To be effectively filed with the Plant Variety Protection Office (PVPO), **ALL** of the following items must be received in the PVPO: (1) Completed application form signed by owner; (2) Completed exhibits A, B, C, E; (3) For a seed reproduced variety, at least 2,500 viable untreated seeds; for a hybrid variety, at least 2,500 untreated seeds of each line necessary to reproduce the variety; or for tuber reproduced varieties, verification that a viable (*in the sense that it will reproduce an entire plant*) tissue culture will be deposited and maintained in an approved public repository; (4) Check drawn on a U.S. Bank for \$2,705 (\$320 filing fee and \$2,385 examination fee) payable to "Treasurer of the United States" (See Section 97.6 of the Regulations and Rules of Practice). Partial applications will be held in the PVPO for not more than 90 days, then returned to the applicant as unfilled. Mail application and other requirements to Plant Variety Protection Office, AMS, USDA, Room 500, NAL Building, 10301 Baltimore Avenue, Beltsville, MD 20705-2351. **Retain one copy for your files.** All items on the face of the application are self explanatory unless noted below. Corrections on the application form and exhibits must be initialed and dated. **DO NOT** use masking materials to make corrections. If a certificate is allowed, you will be requested to send a check payable to "Treasurer of the United States" in the amount of \$320 for issuance of the certificate. Certificates will be issued to owner, not licensee or agent.

Plant Variety Protection Office

Telephone: (301) 504-5518

FAX: (301) 504-5291

Homepage: <http://www.ams.usda.gov/science/pvp.htm>

ITEM:

- 18a. Give: (1) The genealogy, including public and commercial varieties, lines, or clones used, and the breeding method.
 (2) The details of subsequent stages of selection and multiplication.
 (3) Evidence of uniformity and stability; and,
 (4) The type and frequency of variants during reproduction and multiplication and state how these variants may be identified.
- 18b. Give a summary of the variety's distinctness. Clearly state how this application, variety may be distinguished from all other varieties in the same crop. If the new variety is most similar to one variety or a group of related varieties:
 (1) Identify these varieties and state all differences objectively.
 (2) Attached statistical data for characters expressed numerically and demonstrate that these are clear differences, and,
 (3) Submit, if helpful, seed and plant specimens or photographs (prints) of seed and plant comparisons which clearly indicate distinctness.
- 18c. Exhibit C forms are available from the PVPO Office for most crops; specify crop kind. Fill in Exhibit C (Objective Description of Variety) form as completely as possible to describe your variety.
- 18d. Optional additional characteristics and/or photographs. Describe any additional characteristics that cannot be accurately conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the characteristics that are difficult to describe, such as plant habit, plant color, disease resistance, etc.
- 18e. Section 52(5) of the Act requires applicants to furnish a statement of the basis of the applicant's ownership. An Exhibit E form is available from the PVPO.
19. If "Yes" is specified (seed of this variety be sold by variety name only, as a class of certified seed), the applicant **MAY NOT** reverse this affirmative decision after the variety has been sold and so labeled, the decision published, or the certificate issued. However, if "No" has been specified, the applicant may change the choice (See Regulations and Rules of Practice, Section 97.103).
22. See Sections 41, 42, and 43 of the Act and Section 97.5 of the regulations for eligibility requirements.
23. See Section 55 of the Act for instructions on claiming the benefit of an earlier filing date.

21. **CONTINUED FROM FRONT** – (Please provide a statement as to the limitation and sequence of generations that may be certified.)

22. **CONTINUED FROM FRONT** – (Please provide the date of first sale, disposition, transfer, or use for each country and the circumstances, if the variety (including any harvested material) or a hybrid produced from this variety has been sold, disposed of, transferred, or used in the U.S. or other countries.)

February, 2005

23. **CONTINUED FROM FRONT** – (Please give the country, date of filing or issuance, and assigned reference number, if the variety or any component of the variety is protected by intellectual property right (Plant Breeder's Right or Patent).)

USA	5,728,925	5,352,605	4,940,835
	5,804,425	5,633,435	
	5,717,084	5,188,642	

NOTES: It is the responsibility of the applicant/owner to keep the PVPO informed of any changes of address or change of ownership or assignment or owner's representative during the life of the application/certificate. There is no charge for filing a change of address. The fee for filing a change of ownership or assignment or any modification of owner's name is specified in Section 97.175 of the regulations. (See Section 101 of the Act, and Sections 97.130, 97.131, 97.175(h) of the Regulations and Rules of Practice.)

To avoid conflict with other variety names in use, the applicant must check the appropriate recognized authority. For example, for agricultural and vegetable crops, contact: Seed Branch, AMS, USDA, Room 213, Building 306, Beltsville Agricultural Research Center - East, Beltsville, MD 20705. Telephone: (301) 504-8089. <http://www.ams.usda.gov/lsg/seed/lis-sd.htm>

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 3.0 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in its programs on the basis of race, color, national origin, sex, religion, age, disability, political beliefs, sexual orientation, or marital or family status. (Not all prohibited bases apply to all programs). Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact the USDA's TARGET Center at (202) 720-2600 (voice and TDD).

To file a complaint of discrimination, write the USDA Director, Office of Civil Rights, Room 326-W, Whitten Building, 14th and Independence Avenue, SW, Washington, D.C. 20250-9410 or call (202) 720-5964 (voice and TDD). USDA is an equal opportunity provider and employer.

Revised Exhibit A
Origin and Breeding History of
ST 3664R

This variety was developed from the cross of PM 2145 RR and ST 4793R made in 1998 at the Southwest Research Station of Emergent Genetics, Inc. (Emergent). The F1 generation was grown in the Republic of South Africa (RSA) the winter of 1998-99 and harvested in bulk. The F2 generation was grown in Maricopa, AZ during the summer of 1999 and harvested as a modified single seed decent (1 locule from each plant). The F3 generation was grown in RSA during the winter of 1999-2000 and harvested as individual plants. The F4 generation was grown as progeny rows in 2000 in Texas for agronomic (selection for storm resistance and fiber quality) evaluation and in Maricopa, AZ for pure seed production (i.e. Roundup Ready® purity). The progeny row that gave rise to ST3664R was Row 3239 in Block RRPR at Maricopa, which was harvested in bulk and given the experimental designation 1TRR007.

Agronomic performance of 1TRR007 was evaluated in replicated trials under Emergent supervision from 2001-2003 in the Texas High Plains. During this period, 1TRR007 was selected from among other Roundup Ready® lines for high lint yield, good storm resistance, and acceptable fiber quality. In late 2003, 1TRR007 was renamed ST 3664R.

Maintenance of the Variety

The variety will be maintained through pure line maintenance of breeder seed and production of foundation and registered classes of seed.

Statement of Uniformity and Stability

ST 3664R has been evaluated in many environments from 2001 to 2004 across the cotton belt by the staff of Emergent Genetics, Inc. and many public researchers. No off-types were detected and no variants were noted in the variety.

During this four year evaluation period, ST 3664R was uniform and stable.

Exhibit B
Statement of Distinctness

ST 3664R

ST 3664R has a spreading, indeterminate growth habit and is most similar to ST 4793R. However, ST 3664R has a stormproof boll type, whereas ST 4793R has an open boll type. In addition, boll size of ST 3664R is heavier than that of ST 4893R.

Trait	ST 3664R	ST 4793R
Boll wt (g seedcotton/boll)	5.2	4.4
Storm resistance (1-5 scale)	3.5	2.2
Values are means from replicated trials conducted by the Texas Agric Exp. Stn. at 2 Texas High Plains locations during 2004. Trials were conducted using a randomized complete block experimental design with two replications for boll data and 4 replications for storm resistance at each location.		

The scale that we have used is:

- 1 = very open boll with seedcotton stringing out and usually has cotton falling out of the burr onto the ground
5 = the seedcotton is held very tightly in the burr and does not string out.

Exhibit B3 Supplement *AAA*
 Additional Description of the Variety *(30 Oct 2005)*

ST 3664R

Supporting information for Exhibit B from representative locations.

Boll weight (g seedcotton/boll)

Location	ST 3664R	ST 4793R	LSD (0.05)
Lamesa TX	5.5	4.5	0.5
Halfway TX	4.9	4.3	0.5

Storm Resistance

Location	ST 3664R	ST 4793R	LSD (0.05)
Halfway TX	3.5	1.7	0.4
Lubbock TX	3.5	2.7	0.2

Values are means from replicated trials conducted by Texas Agric Exp. Stn. (published as "Cotton Performance Tests in the Texas High Plains and Trans Pecos Areas of Texas 2004" J.R. Gannaway et. al, TAES and Texas A&M Univ. System, Technical Report No. 05-1) during 2004. Trials were conducted using a randomized complete block experimental design with two replications for boll data and 4 replications for storm resistance at each location.

Public reporting burden for this collection of information is estimated to average 30 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Agriculture, Clearance Officer, OIRM, AG Box 7630, Jamie L. Whitten Building, Washington, D.C. 20250. When replying, refer to OMB N. 0581-0055 and form number in your letter. Under the PRA of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

The U.S. Department of Agriculture (USDA) prohibits discrimination in its programs on the basis of race, color, national origin, sex, religion, age, disability, political beliefs, and marital or familial status. (Not all prohibited bases apply to all programs). Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact the USDA Office of Communications at (202) 720-2791. To file a complaint, write the Secretary of Agriculture, U.S. Department of Agriculture, Washington, D.C. 20250, or call (202) 720-7327 (voice) or (202) 720-1127 (TDD). USDA is an equal opportunity employer.

EXHIBIT C
(COTTON)

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
SCIENCE AND TECHNOLOGY
PLANT VARIETY PROTECTION OFFICE
BELTSVILLE, MD 20705

OBJECTIVE DESCRIPTION OF VARIETY
COTTON (*Gossypium* spp.)

NAME OF APPLICANT(S) Monsanto Technology Stoneville Pedigreed Seed Company	TEMPORARY DESIGNATION: 1TRR007, STX3664R	VARIETY NAME: ST 3664R
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ADDRESS (Street and No., or R.F.D. No., City, State, & ZIP Code):
800 North Lindbergh Blvd.
St. Louis, MO 63167

FOR OFFICIAL USE ONLY
PVPO NUMBER

200500329

Place the appropriate data that describes the varietal characteristics of this variety in the space provided. Characteristics described, including numerical measurements, should represent those that are typical for the variety. Royal Horticultural Society or any recognized color fan may be used to determine plant colors. Characters marked with an asterisk (*) indicate necessary characters to be measured.

SPECIFIC VARIETIES USED FOR COMPARISON AS CHECK VARIETIES IN THIS APPLICATION: (Use standard regional check varieties which are adapted to your area. One of the comparison varieties must be the most similar variety used in Exhibit B.

Variety 1: ST 4793R Variety 2: Variety 3:

* 1. SPECIES:

X *G. hirsutum* L. *G. barbadense* L.

* 2. AREA(S) OF ADAPTATION: (A = Adapted, NA = Not Adapted, NT = Not Tested)

NT	Eastern	NT	Delta	NT	Central	NT	Blacklands
A	Plains	NT	Western	NT	Arizona	NT	San Joaquin
NT	Other (Specify)						

3. GENERAL: Characteristics which are known to be variable, but are still useful for a meaningful description of variety.

	Application Variety	Comparison Variety 1	Comparison Variety 2	Comparison Variety 3
Plant Habit: Spreading, Intermediate, Compact	Spreading	Spreading		
Foliage: Sparse, Intermediate, Dense	Intermediate	Intermediate		
Stem Lodging: Lodging, Intermediate, Erect	Erect	Erect		
Fruiting Branch: Clustered, Short, Normal	Normal	Normal		

3. GENERAL: (Continued)

	Application Variety	Comparison Variety 1	Comparison Variety 2	Comparison Variety 3
Growth: Determinate, Intermediate, Indeterminate	Indeterminate	Indeterminate		
Leaf Color: Greenish yellow, Light green, Medium green, Dark green	Medium green	Dark green		
Boll Shape: Length less than width, Length equal to width, Length more than width	L>W	L>W		
Boll Breadth: Broadest at base, Broadest at middle	Middle	Middle		

*4. MATURITY: (50% Open bolls; Preferred method; Describe method if different method was used.)

Date of 50 % open bolls (% open on given date)	58	47		
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5. PLANT:

Cm to 1st Fruiting Branch:	21.5	20.5		
No. of Nodes to 1st Fruiting Branch:	7.0	7.1		
Mature Plant Height cm:	64.3	63.0		

* 6. LEAF: Upper most, fully expanded leaf.

Type: Normal, Sub Okra, Okra, Super Okra	Normal	Normal		
Pubescence: Absent, Sparse, Medium, Dense OR Trichomes/cm ² (Bottom surface excluding veins)	Medium	Dense		
Nectaries: Present or Absent	Present	Present		

* 7. STEM PUBESCENCE

Glabrous, Intermediate, Hairy	Hairy	Hairy		
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*8. GLANDS: (Gossypol) Absent, Sparse, Normal, More than Normal

Leaf:	Normal	Normal		
Stem:	Normal	Normal		
Calyx Lobe: (normal is absent)	Normal	Normal		

200500329

	Application Variety	Comparison Variety 1	Comparison Variety 2	Comparison Variety 3
*9. FLOWER:				
Petals: Cream, Yellow	Cream	Cream		
Pollen: Cream, Yellow	Cream	Cream		
Petal Spot: Present, Absent	Absent	Absent		
* 10. SEED:				
Seed Index: (g/100 seeds, fuzzy basis)	10.1	9.4		
Lint Index: (g lint/100 seeds)	6.7	6.2		
* 11. BOLL:				
Lint Percent: Picked _____ Pulled _____				
OR				
Gin Turnout: Picked _____ x _____ Stripped _____ w/ bur extractor	38.7	38.4		
Number of Seeds per Boll:	32.1	27.4		
Grams Seed Cotton per Boll:	5.2	4.4		
Number of Locules per Boll:	4.2	4.1		
Boll Type: (Stormproof, Storm Resistant, Open)	Stormproof	Open		
12. Fiber Properties:				
Specify Method (HVI or other) HVI				
*Length: (inches, 2.5% SL)	1.02	1.04		
*Uniformity: (%)	81.9	82.0		
*Strength, T1 (g/tex)	25.5	25.4		
*Elongation, E1 (%)	7.5	7.7		
*Micronaire:	3.5	3.7		
Fineness (Source _____)				
Yarn Tenacity: (cN/tex, 27 tex)				
Yarn Strength: (lbs. 22's)				

13. DISEASES: (NT = Not Tested, S = Susceptible, MS = Moderately susceptible, MR = Moderately Resistant, R = Resistant)

<u>NT</u> <i>Alternaria macrospora</i>	<u>NT</u> Fusarium Wilt
<u>NT</u> Anthracnose	<u>NT</u> Phymatotrichum Root Rot
<u>NT</u> Ascochyta Blight	<u>NT</u> <i>Pythium</i> (specify species) _____
_____ Bacterial Blight (Race 1)	<u>NT</u> <i>Rhizoctonia solani</i>
_____ Bacterial Blight (Race 2)	<u>NT</u> Southwestern Cotton Rust
<u>MR</u> Bacterial Blight (Race <u>unknown</u>)	<u>NT</u> Thielaviopsis basicola
<u>NT</u> Diplodia Boll Rot	<u>NT</u> Verticillium Wilt
_____ Other (specify) _____	

14. NEMATODES, INSECTS, AND PESTS: (NT = Not Tested, S = Susceptible, MS = Moderately susceptible, MR = Moderately Resistant, R = Resistant)

<u>NT</u> Root-Knot Nematode	<u>NT</u> Reniform Nematode
<u>NT</u> Boll Weevil	<u>NT</u> Grasshopper (specify species) _____
<u>NT</u> Bollworm	<u>NT</u> Lygus (specify species) _____
<u>NT</u> Cotton Aphid	<u>NT</u> Pink Bollworm
<u>NT</u> Cotton Fleahopper	<u>NT</u> Spider Mite (specify species) _____
<u>NT</u> Cotton Leafworm	<u>NT</u> Stink Bug (specify species) _____
<u>NT</u> Cutworm (specify species): _____	<u>NT</u> Thrips (specify species) _____
<u>NT</u> Fall Armyworm	<u>NT</u> Tobacco Bud Worm
_____ Other (specify): _____	

15. COMMENTS: Present any additional information that cannot adequately be described in 1 through 13 which significantly distinguishes your variety.

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE**EXHIBIT E**
STATEMENT OF THE BASIS OF OWNERSHIP

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). The information is held confidential until the certificate is issued (7 U.S.C. 2426).

1. NAME OF APPLICANT(S) Stoneville Pedigreed Seed Company	2. TEMPORARY DESIGNATION OR EXPERIMENTAL NUMBER 1TRR007, STX3664R	3. VARIETY NAME ST 3664R
Law Department – E2NA 800 North Lindbergh Blvd. St. Louis, MO 63167	5. TELEPHONE (Include area code) 314-694-3165	6. FAX (Include area code) 314-694-9009
	7. PVPO NUMBER 200500329	

8. Does the applicant own all rights to the variety? Mark an "X" in the appropriate block. If no, please explain. ☒ YES ☐ NO9. Is the applicant (individual or company) a U.S. national or a U.S. based company? If no, give name of country. ☒ YES ☐ NO10. Is the applicant the original owner? ☒ YES ☐ NO If no, please answer one of the following:

a. If the original rights to variety were owned by individual(s), is (are) the original owner(s) a U.S. National(s)?

☐ YES ☐ NO If no, give name of country

b. If the original rights to variety were owned by a company(ies), is (are) the original owner(s) a U.S. based company?

☐ YES ☐ NO If no, give name of country

11. Additional explanation on ownership (If needed, use the reverse for extra space):

PLEASE NOTE:

Plant variety protection can only be afforded to the owners (not licensees) who meet the following criteria:

1. If the rights to the variety are owned by the original breeder, that person must be a U.S. national, national of a UPOV member country, or national of a country which affords similar protection to nationals of the U.S. for the same genus and species.
2. If the rights to the variety are owned by the company which employed the original breeder(s), the company must be U.S. based, owned by nationals of a UPOV member country, or owned by nationals of a country which affords similar protection to nationals of the U.S. for the same genus and species.
3. If the applicant is an owner who is not the original owner, both the original owner and the applicant must meet one of the above criteria.

The original breeder/owner may be the individual or company who directed the final breeding. See Section 41(a)(2) of the Plant Variety Protection Act for definitions.

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 0.1 hour per response, including the time for reviewing the instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs on the basis of race, color, national origin, gender, religion, age, disability, political beliefs, sexual orientation, and marital or familial status. (Not all prohibited bases apply to all programs). Persons with disabilities who require alternative means for communication of program information (braille, large print, audiotape, etc.) should contact the USDA's TARGET Center at 202-720-2600 (voice and TDD).

To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326-W, Whitten Building, 14th and Independence Avenue, SW, Washington, D.C. 20250-9410 or call (202) 720-5964 (voice and TDD). USDA is an equal opportunity provider and employer.

UNITED STATES PLANT VARIETY ASSIGNMENT

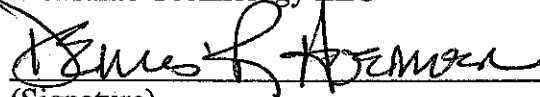
WHEREAS, Monsanto Technology LLC, a limited liability company of the state of Delaware, located and doing business at 800 North Lindbergh Boulevard, Saint Louis, Missouri, 63167, U.S.A. (the "Assignor"), is the owner of the cotton varieties which are the subject of the U.S. Plant Variety Protection certificates or applications listed on Schedule A (the "Varieties").

WHEREAS, Stoneville Pedigreed Seed Company, a corporation of the State of Delaware, located and doing business at 800 North Lindbergh Boulevard, Saint Louis, Missouri, 63167, U.S.A., (the "Assignee") is desirous of acquiring said Varieties together with U.S. rights appertinent thereto;


NOW, THEREFORE, in exchange for good and valuable consideration paid to Assignor by Assignee, the receipt of which is hereby acknowledged, Assignor hereby assigns to Assignee, its successors and assigns, the entire right, title and interest to the Varieties.

Signed at _____, this _____ day of _____,
2006.

Monsanto Technology LLC


(Signature)

Stoneville Pedigreed Seed Company


(Signature)

Schedule A

Variety	U.S. PVP No.	Status
ST 4575BR	200500321	Issued
ST 4686R	200500322	Issued
ST 6636BR	200500323	Pending
ST 6848R	200500324	Pending
NG 3969R	200500328	Pending
ST 3664BR	200500329	Pending